

FIG. 1

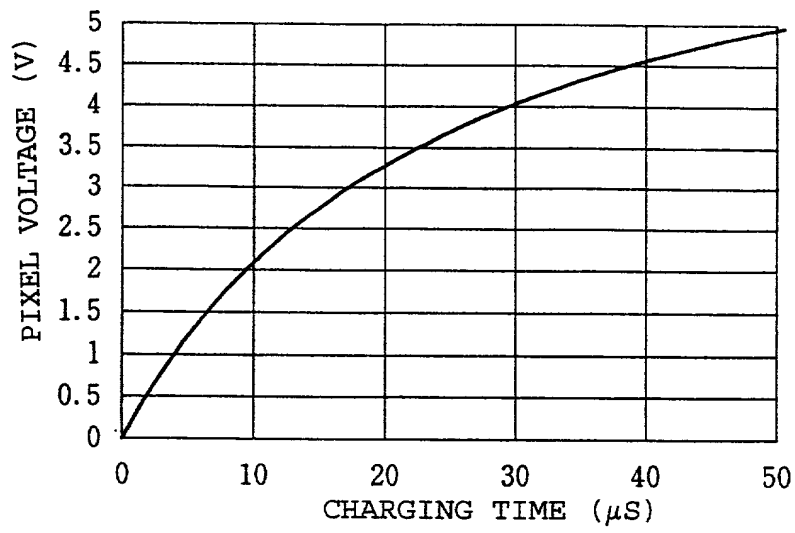


FIG. 2

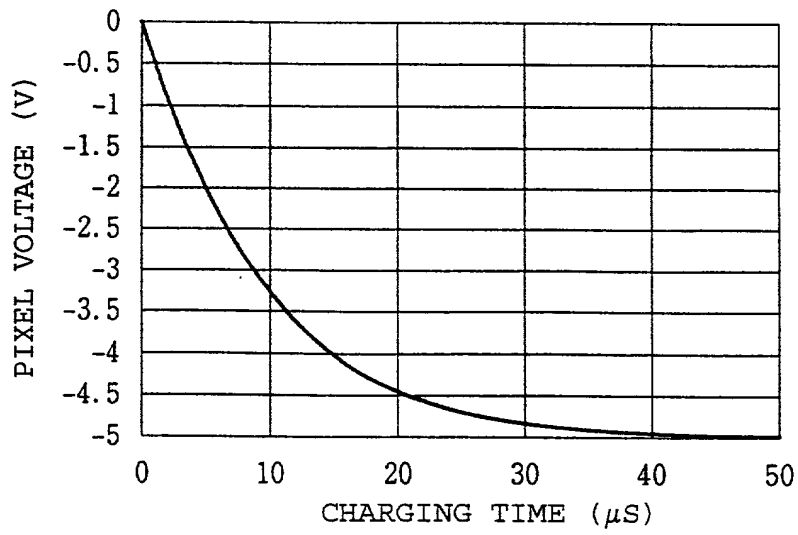


FIG. 3

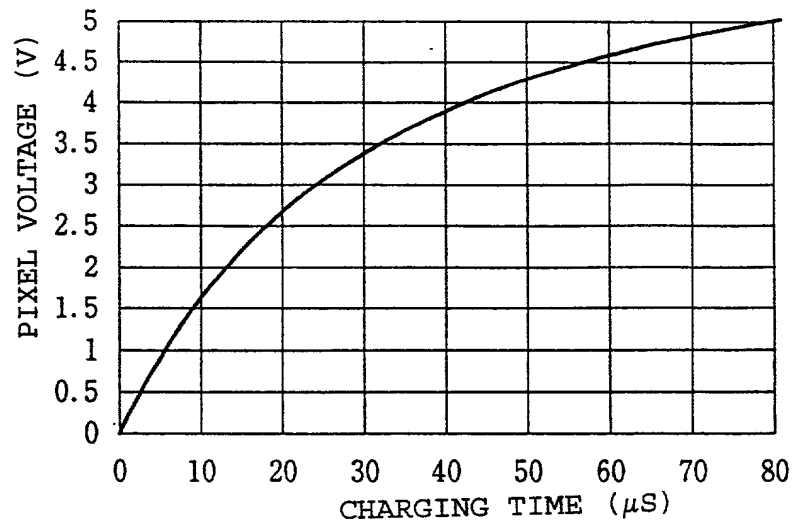


FIG. 4

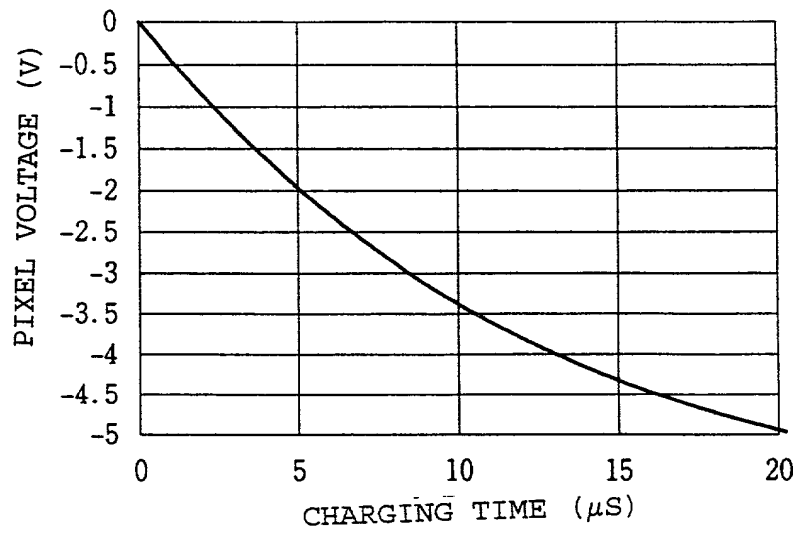


FIG. 5

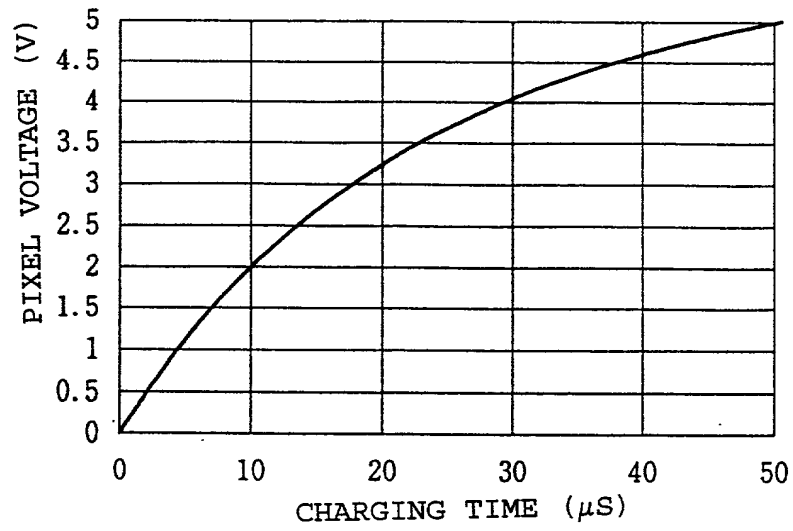


FIG. 6

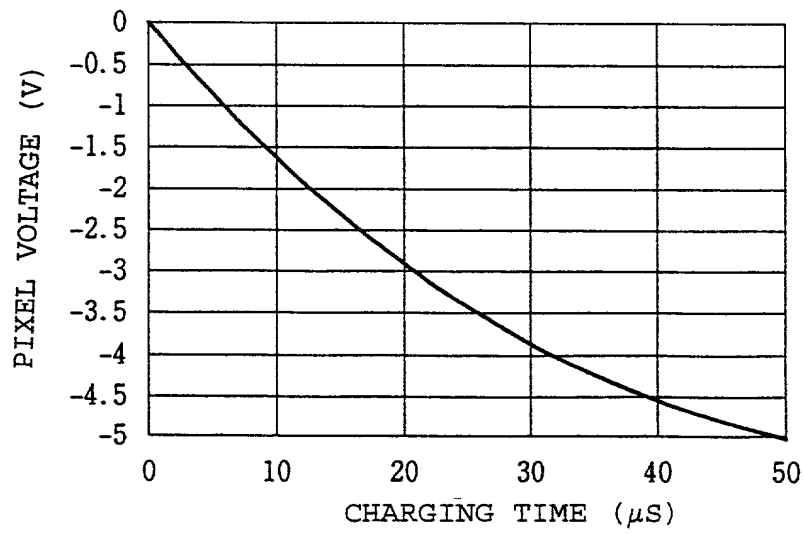


FIG. 7

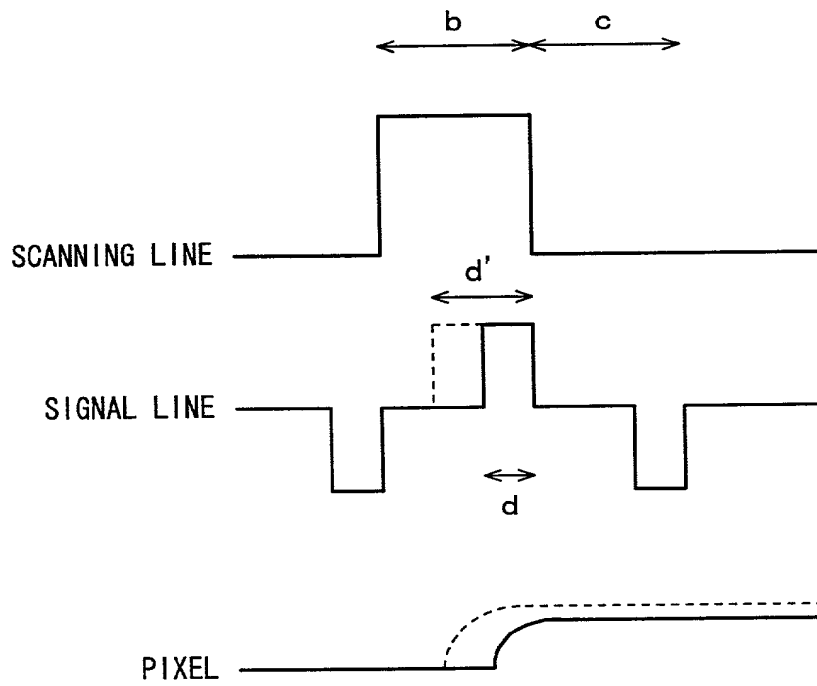


FIG. 8

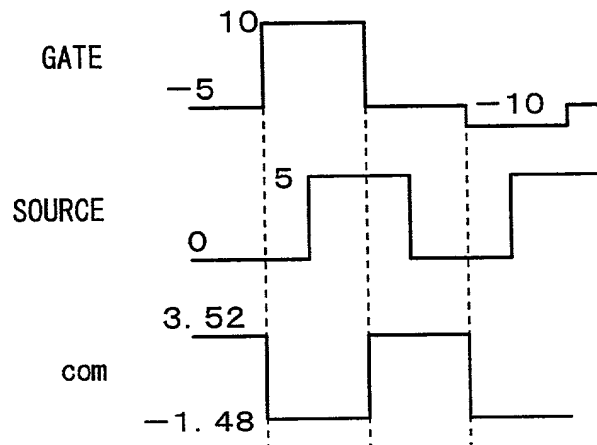


FIG. 9

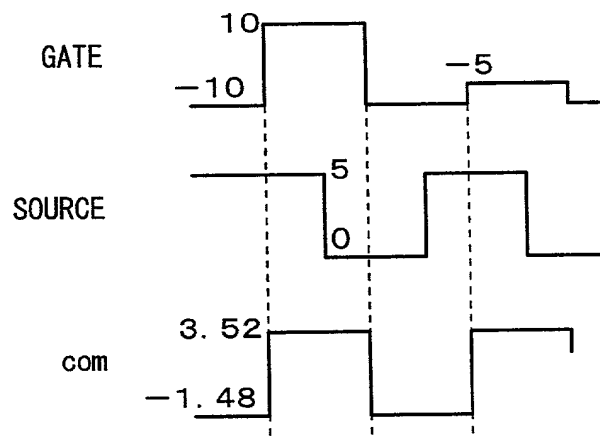


FIG. 10

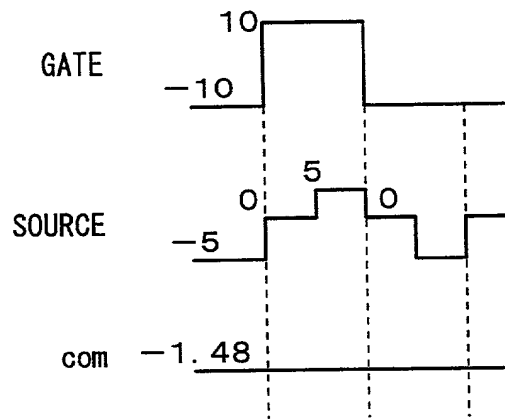


FIG. 11

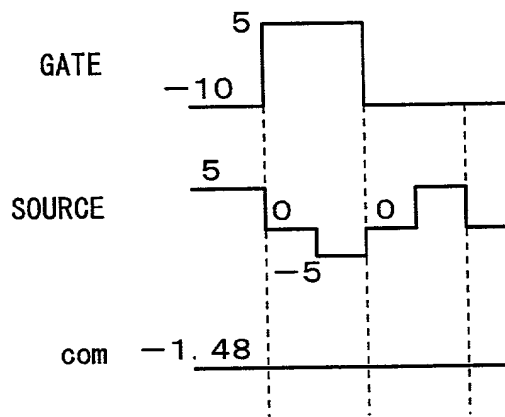


FIG. 12

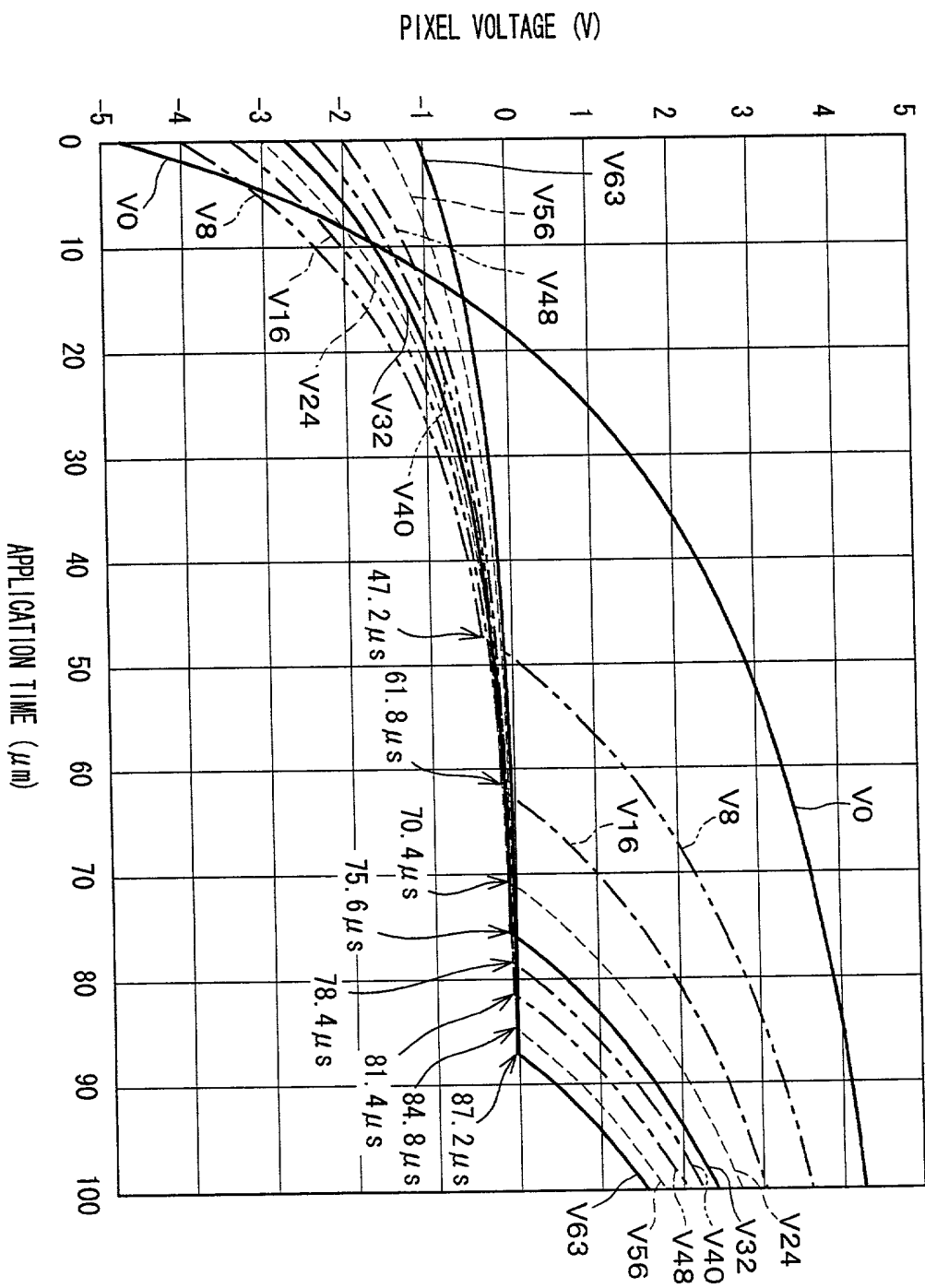


FIG. 13

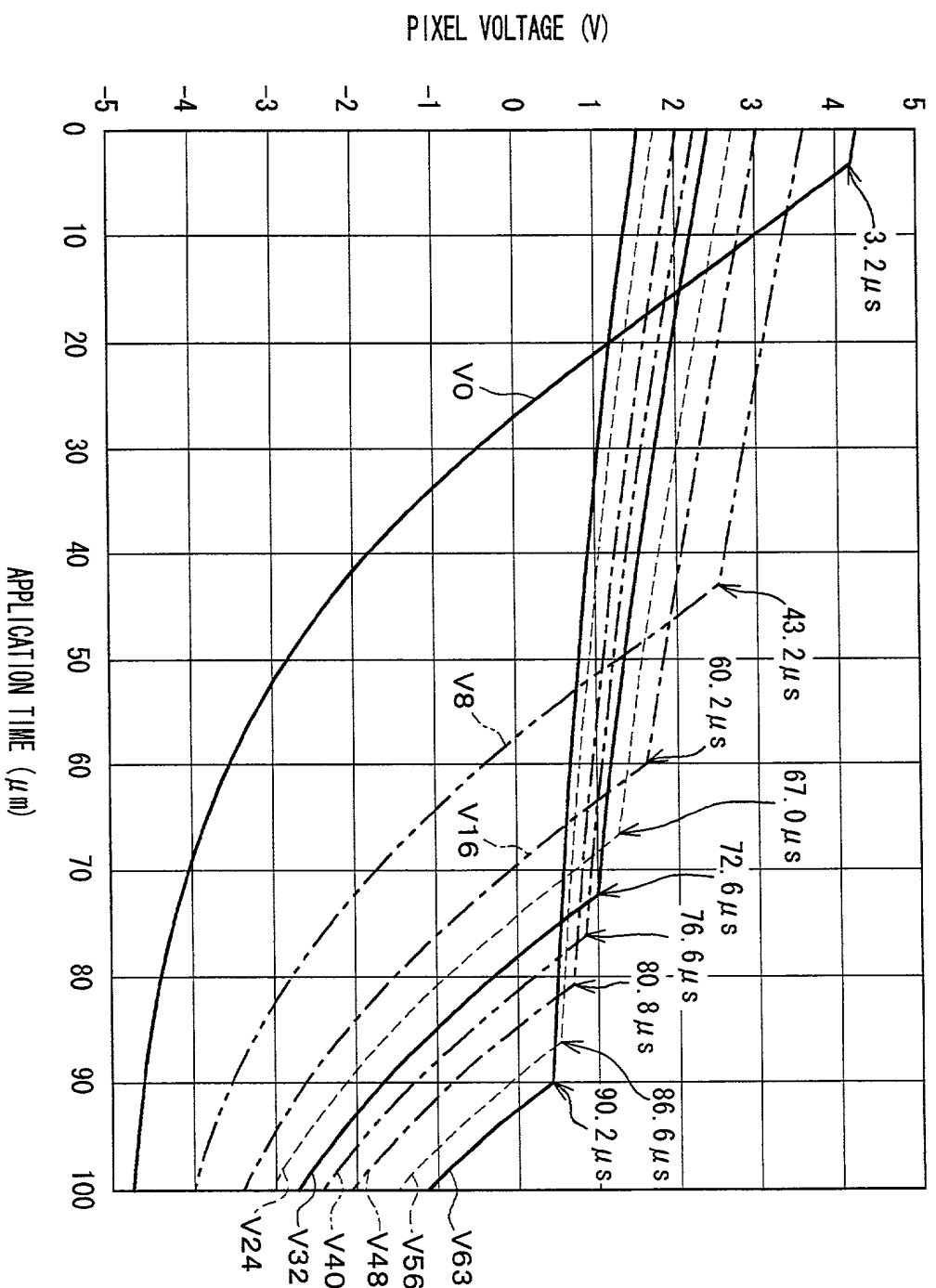




FIG. 14

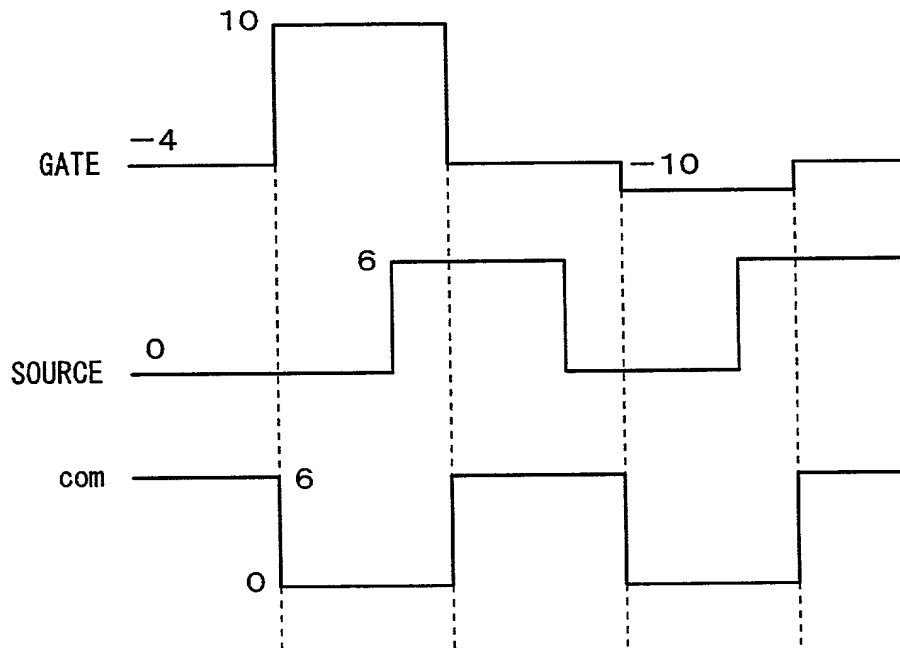


FIG. 15

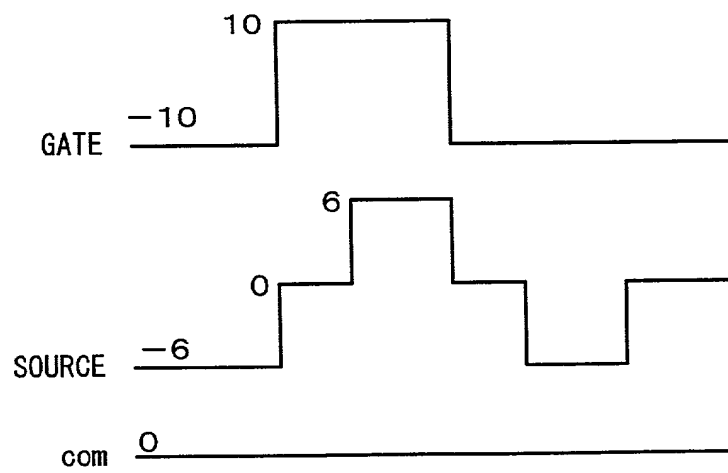


FIG. 16

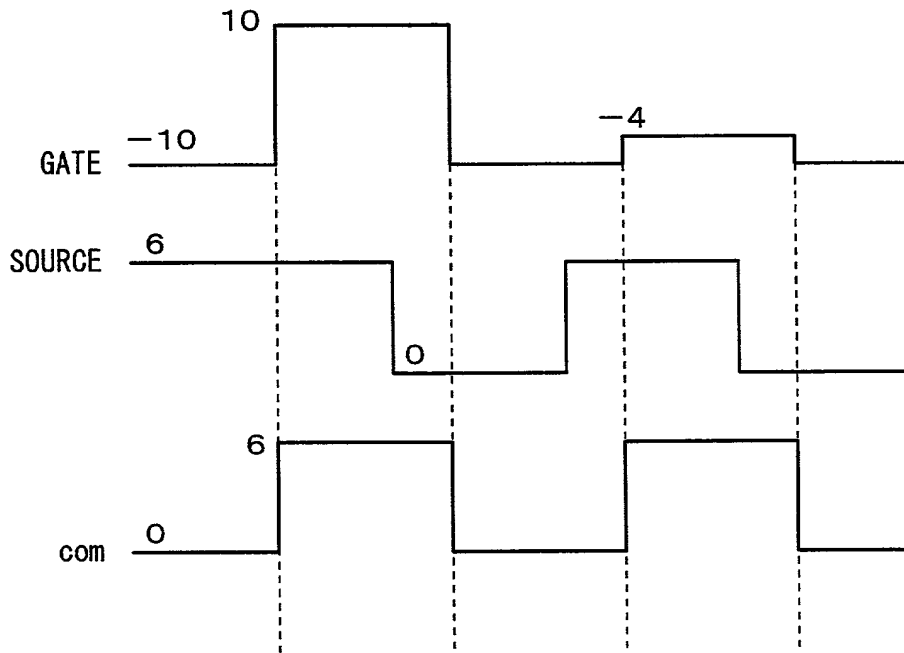


FIG. 17

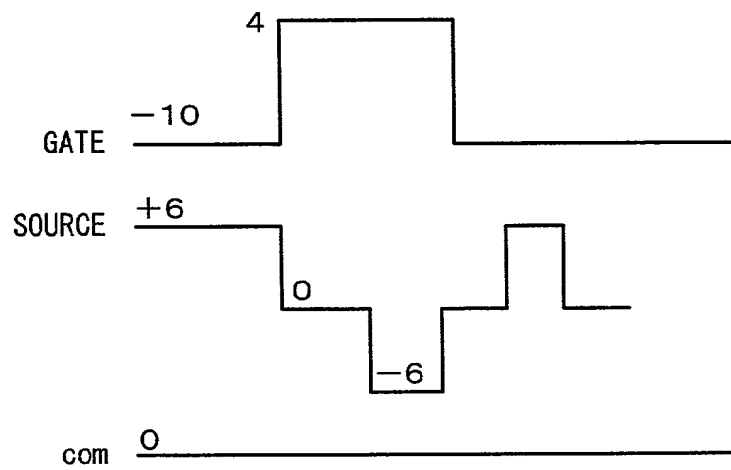


FIG. 18

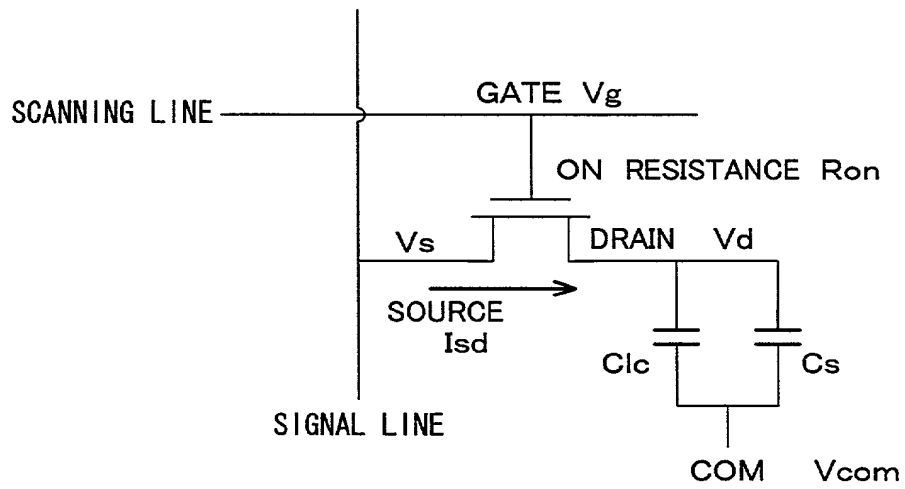
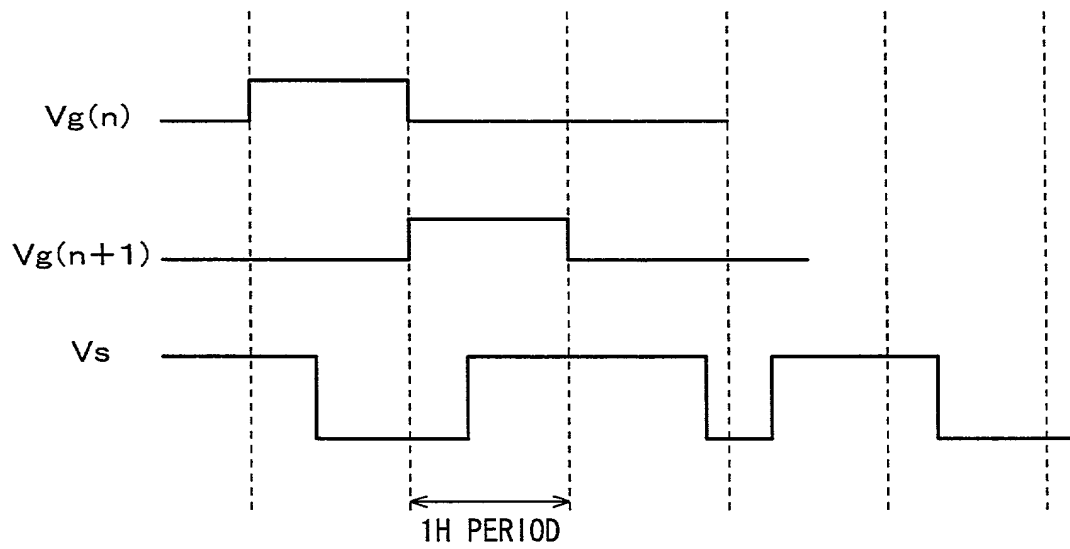
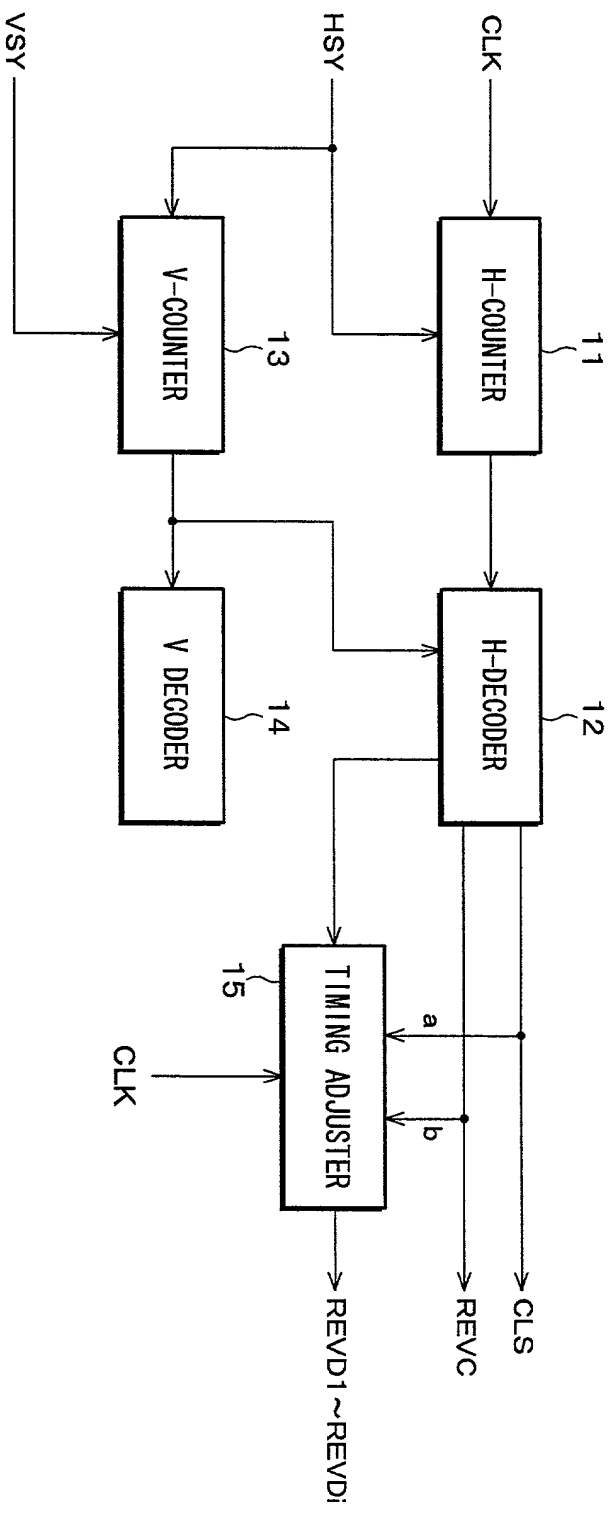


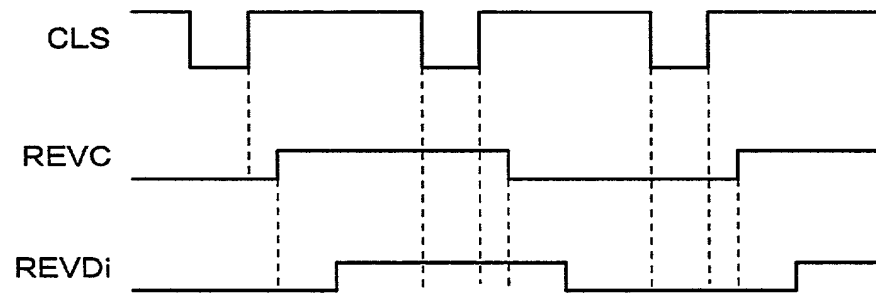
FIG. 19



**FIG. 20**



F I G. 2 1



**FIG. 22**

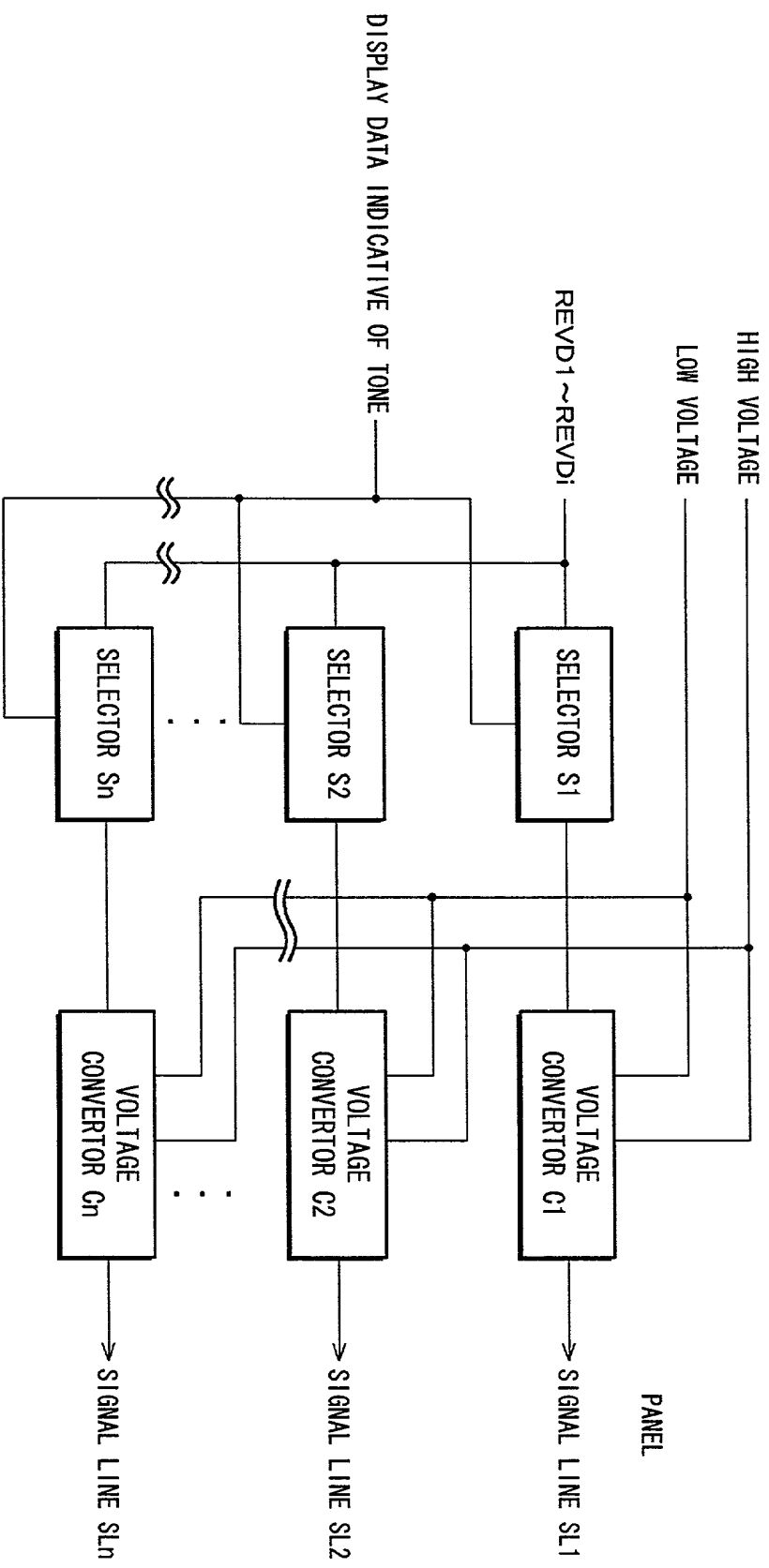
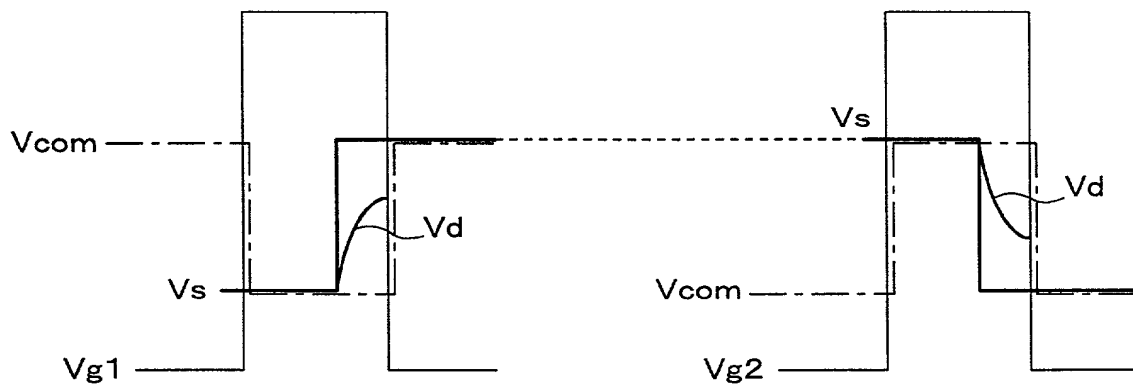


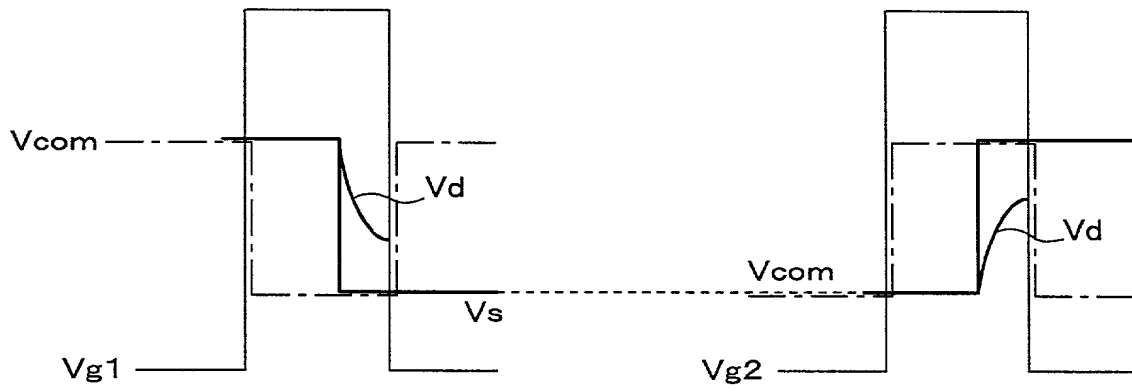
FIG. 23

REFERENCE VOLTAGE	UTILIZE CHARGING	UTILIZE DISCHARGING
	SIGNAL OUTPUT	SIGNAL OUTPUT
low	low $\rightarrow$ high	high $\rightarrow$ low
high	high $\rightarrow$ low	low $\rightarrow$ high

FIG. 24



F I G. 2 5





F I G. 2 6

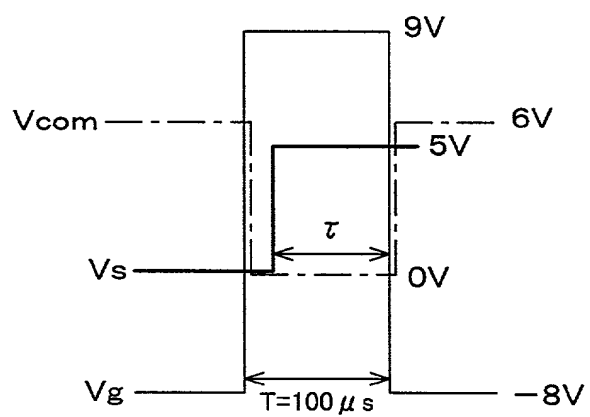


FIG. 27

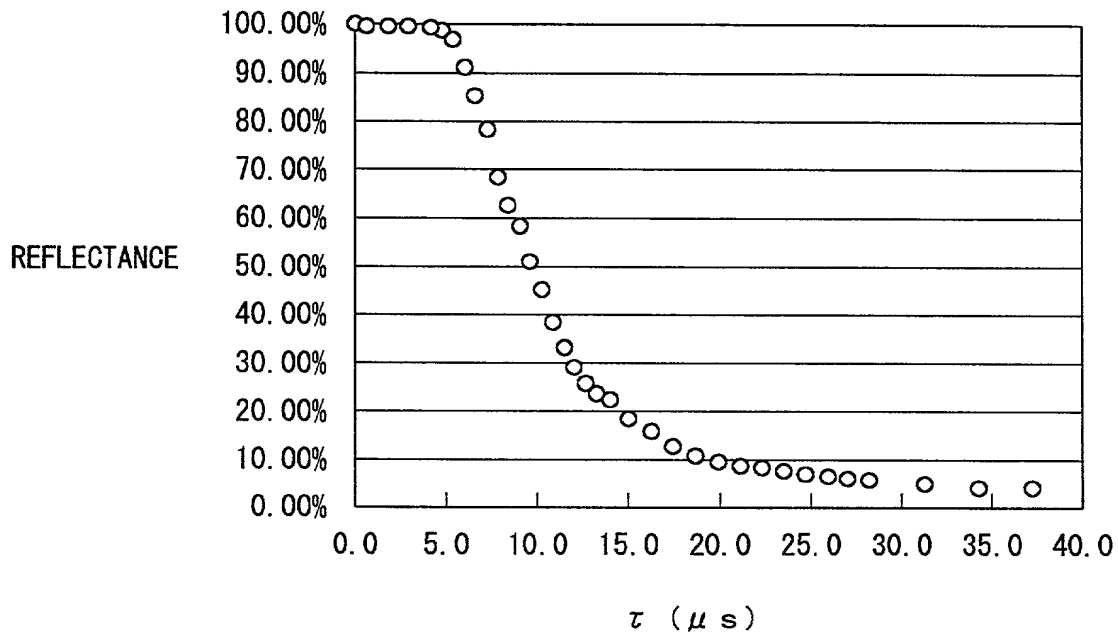


FIG. 28

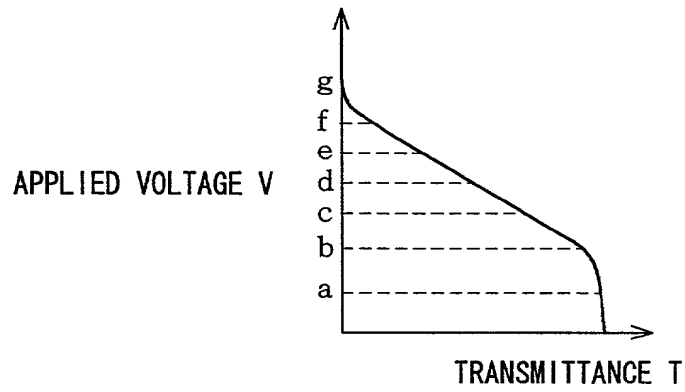
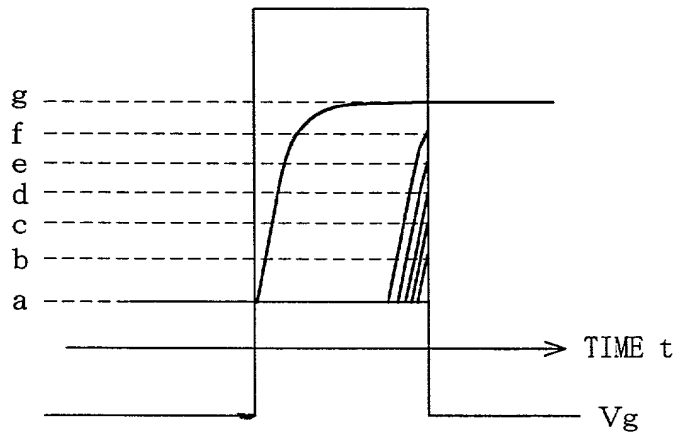
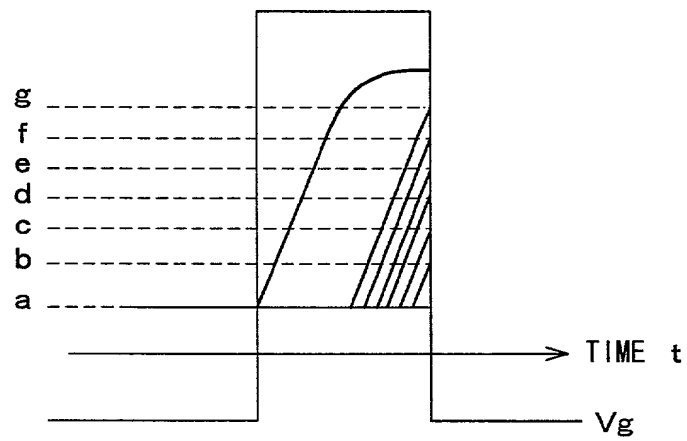


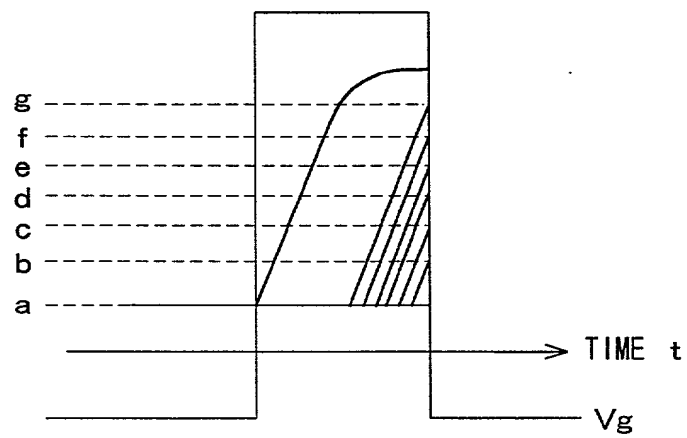
FIG. 29



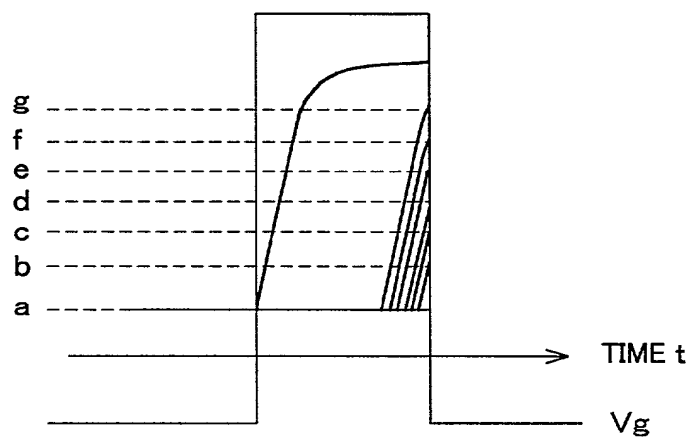
# FIG. 30



# FIG. 31



# FIG. 32



# FIG. 33

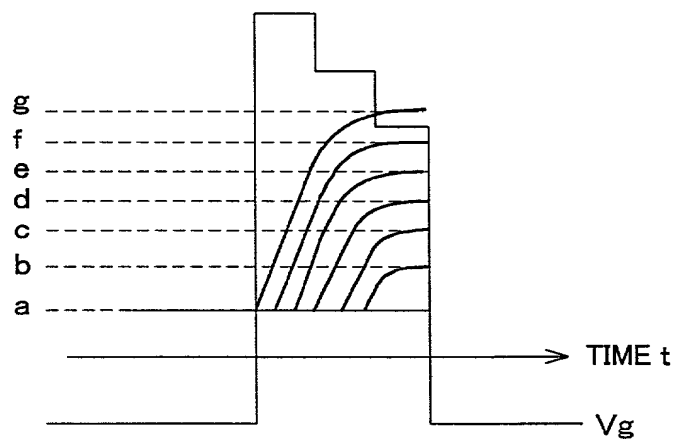


FIG. 34 (a)

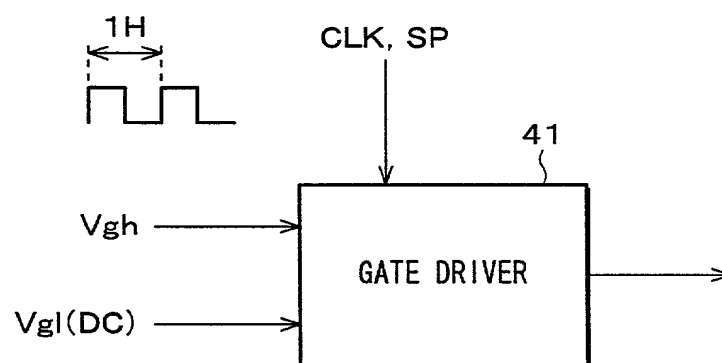


FIG. 34 (b)

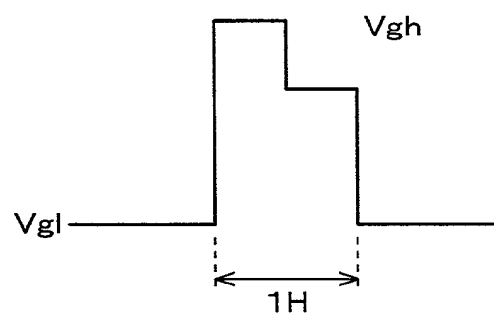


FIG. 35 (a)

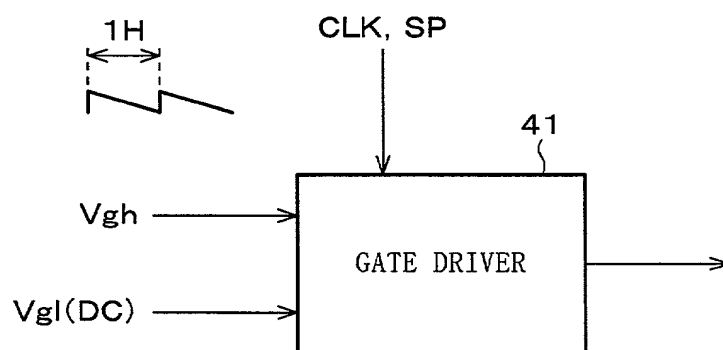


FIG. 35 (b)

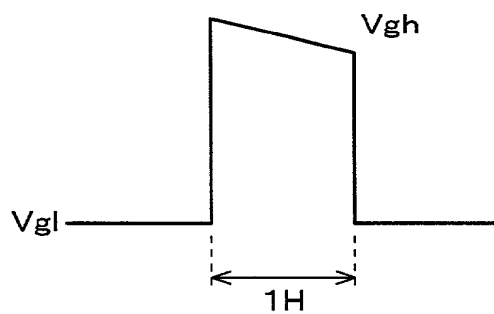


FIG. 36

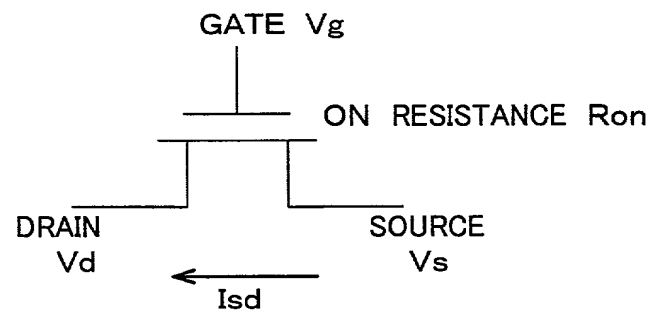




FIG. 37

POSITIVE POLARITY

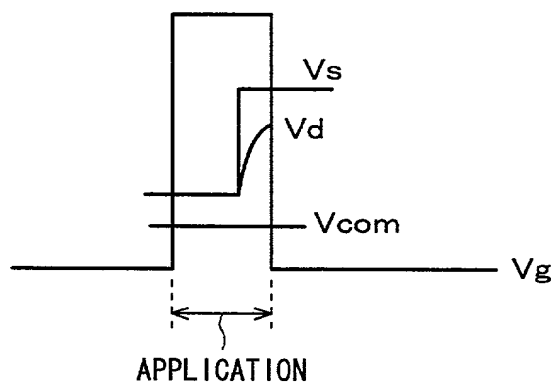


FIG. 38

NEGATIVE POLARITY

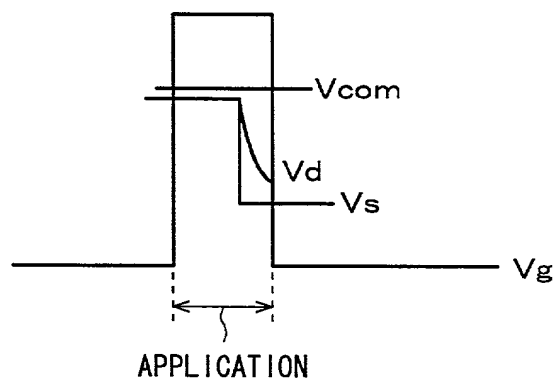


FIG. 39

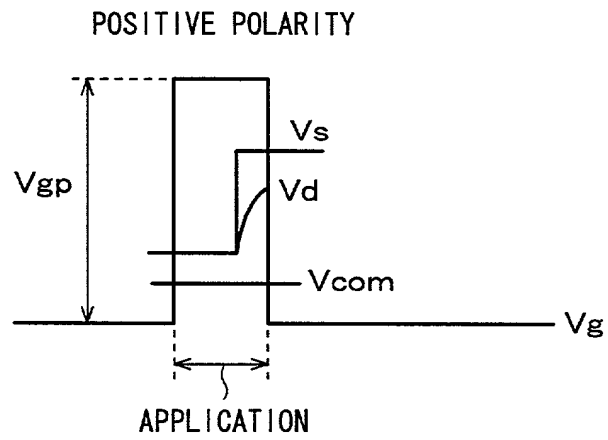
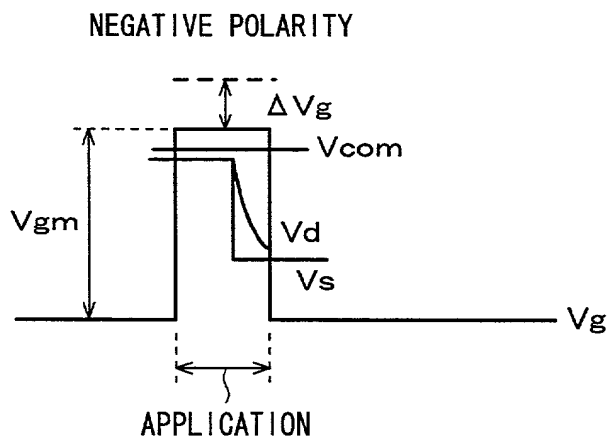
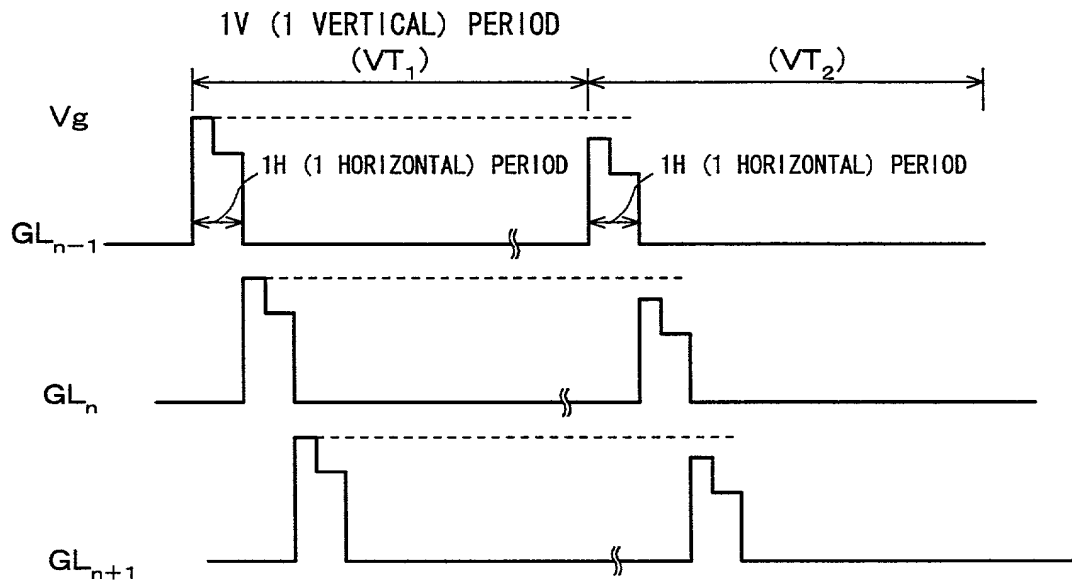


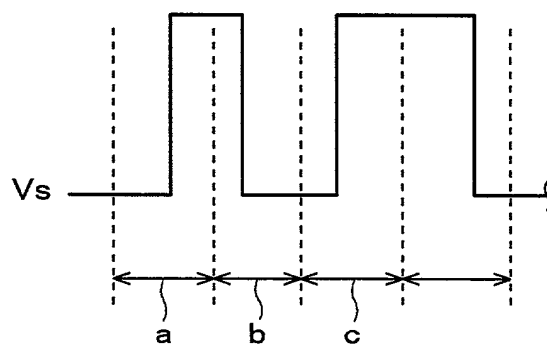
FIG. 40



# FIG. 41



F I G. 4 2 ( a )



F I G. 4 2 ( b )

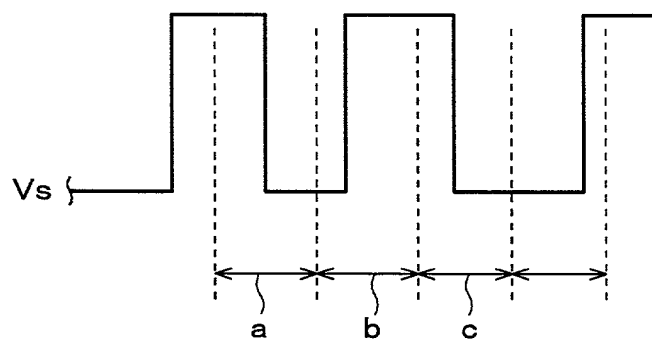


FIG. 43 (a)

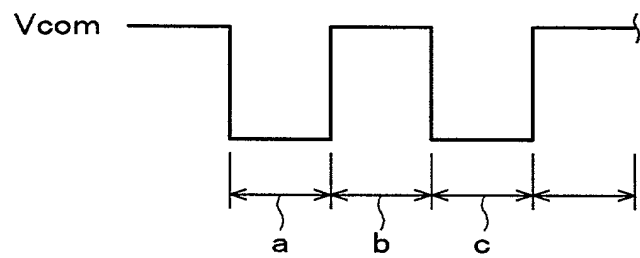
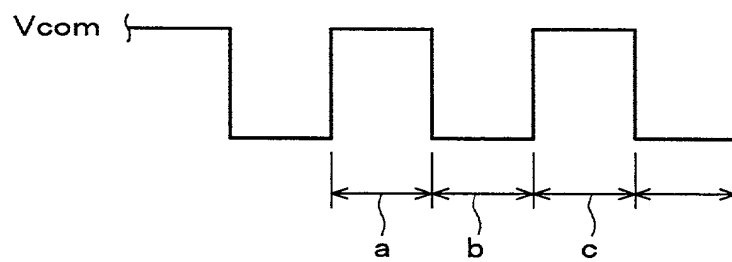
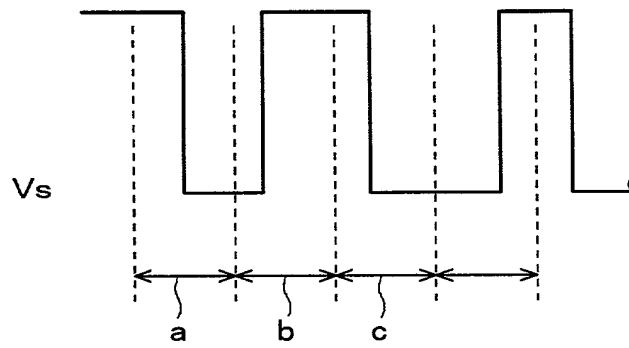


FIG. 43 (b)





F I G. 4 5 ( a )



F I G. 4 5 ( b )

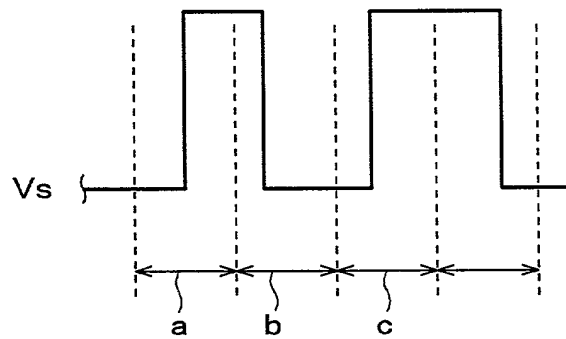


FIG. 46 (a)

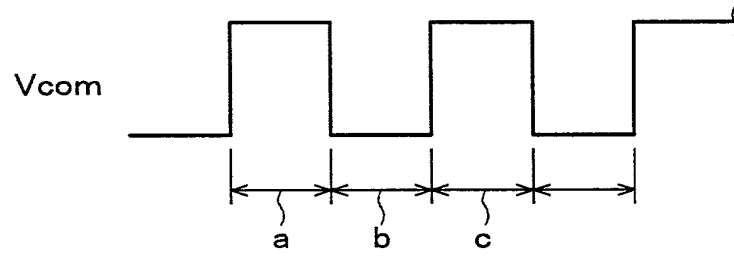


FIG. 46 (b)

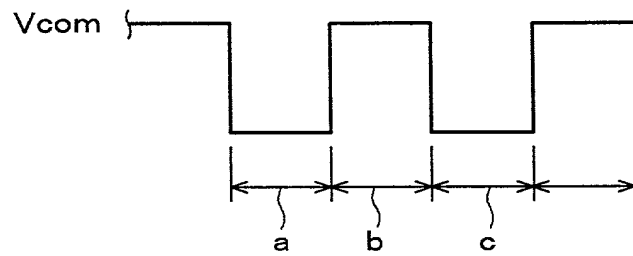




FIG. 47 (a)

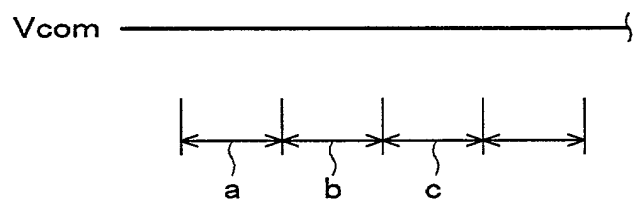
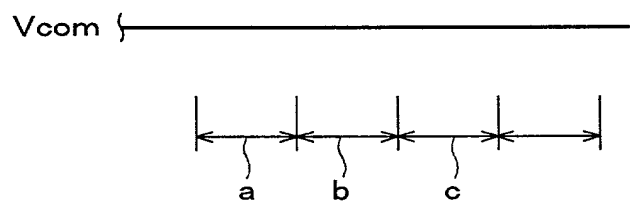
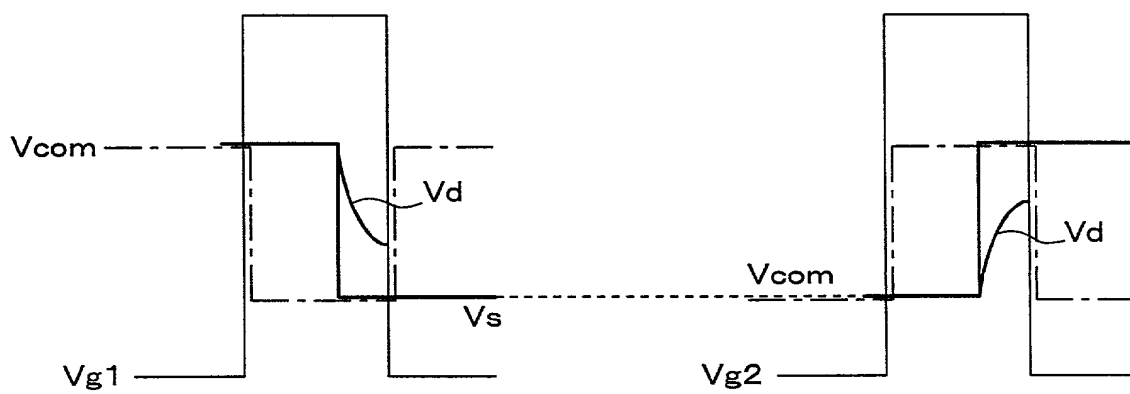


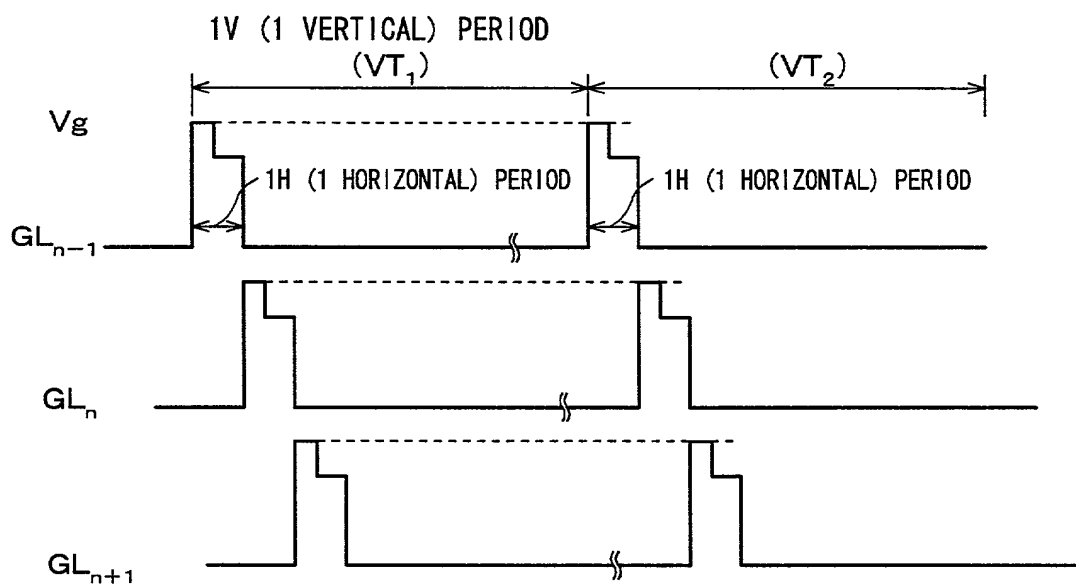
FIG. 47 (b)



F I G. 4 8



F I G. 4 9



F I G. 5 0

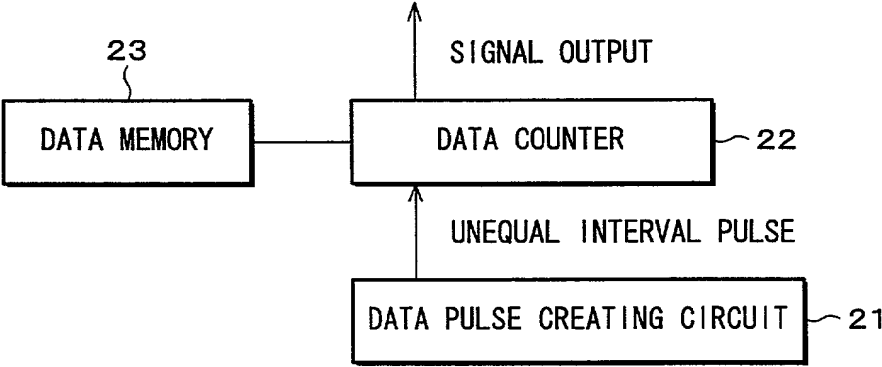


FIG. 51

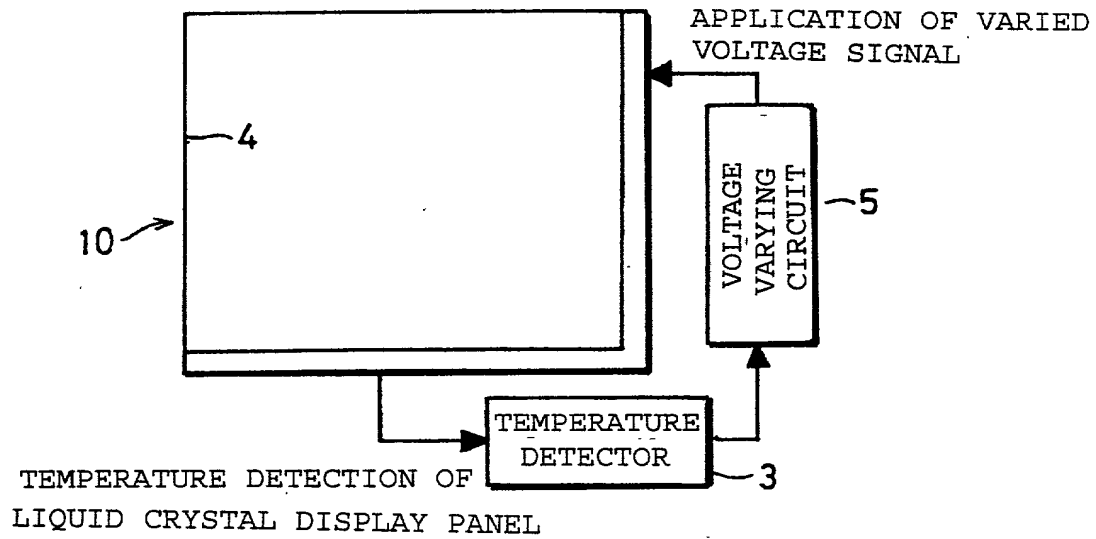


FIG. 52

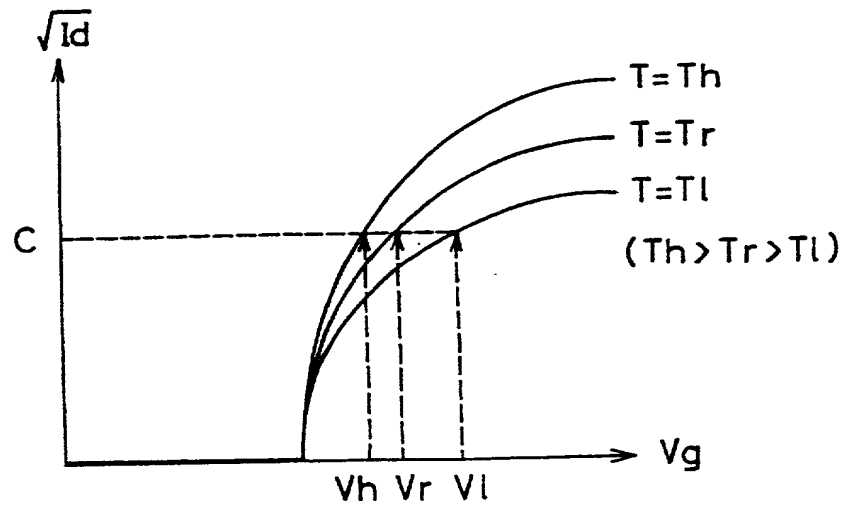


FIG. 53(a)

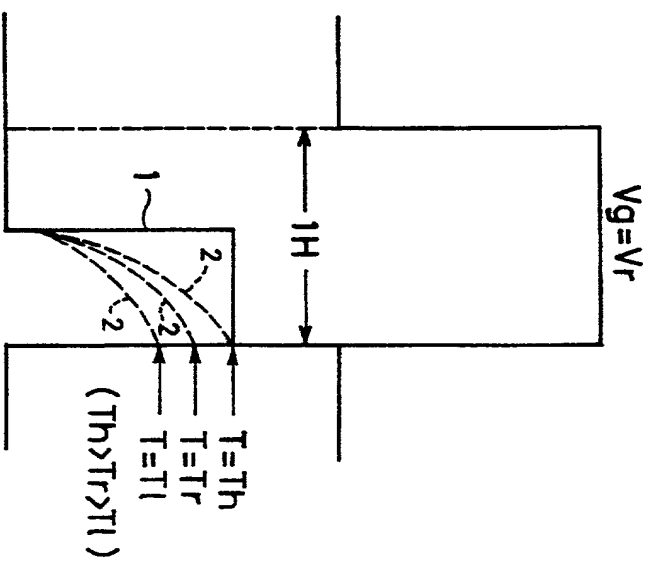


FIG. 53(b)

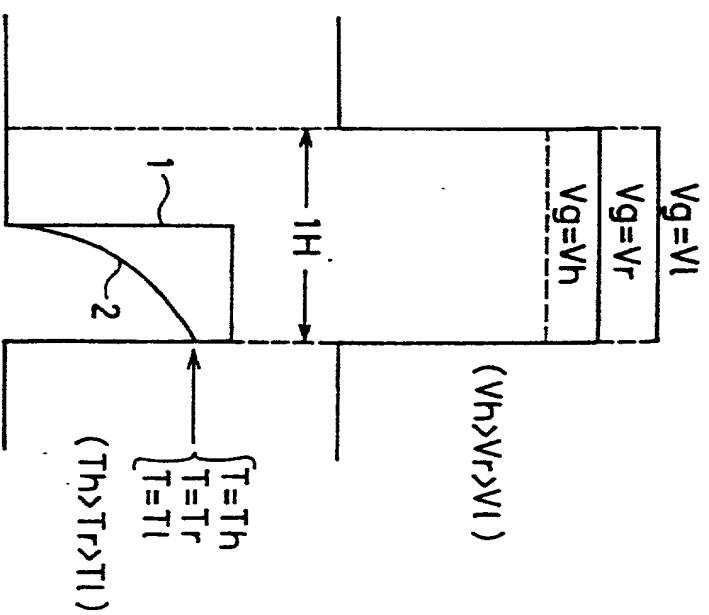


FIG. 54(a)

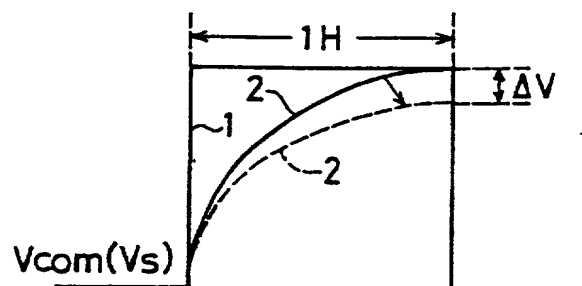


FIG. 54(b)

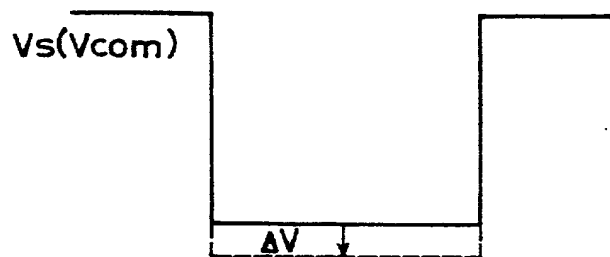


FIG. 54(c)

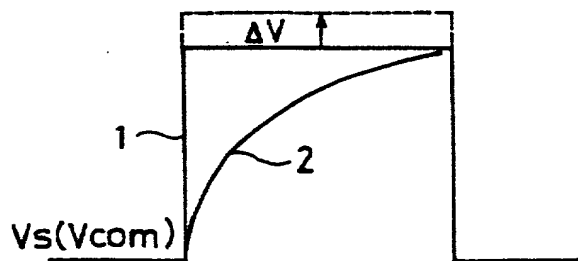


FIG. 55

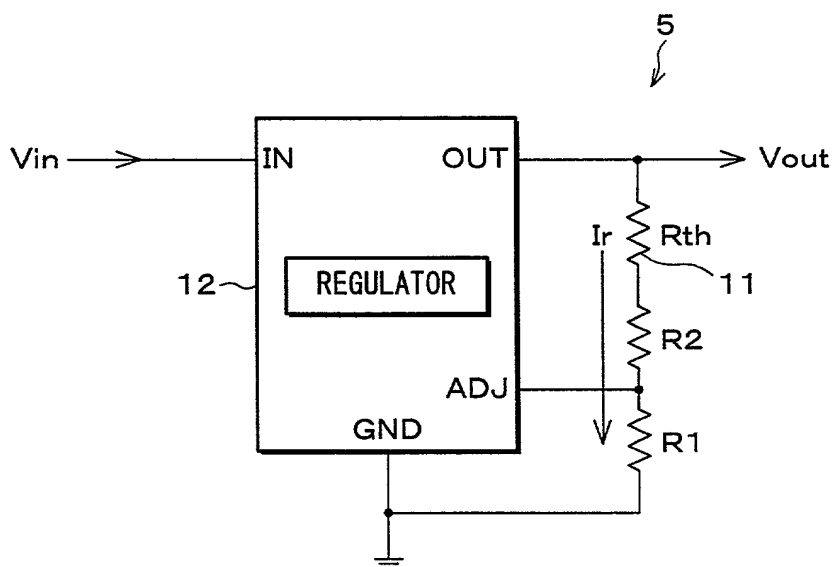


FIG. 56

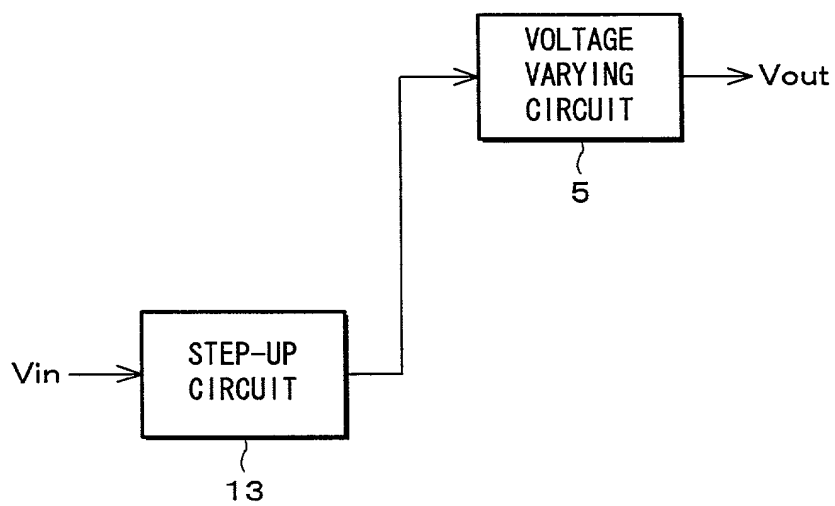




FIG. 57

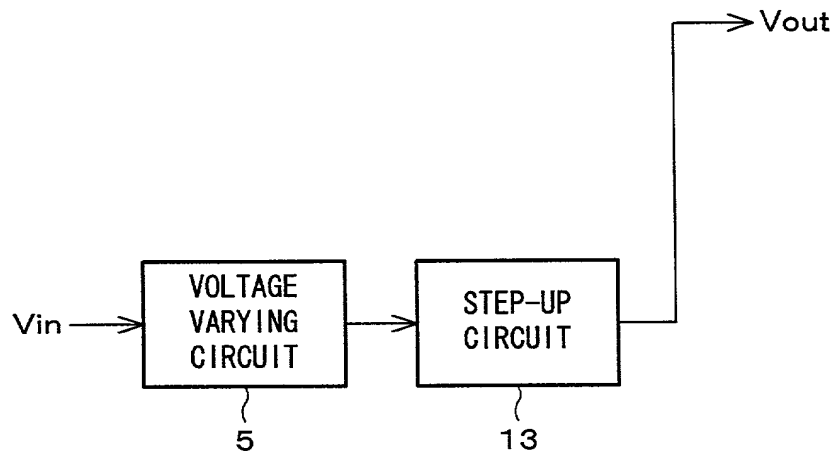


FIG. 58

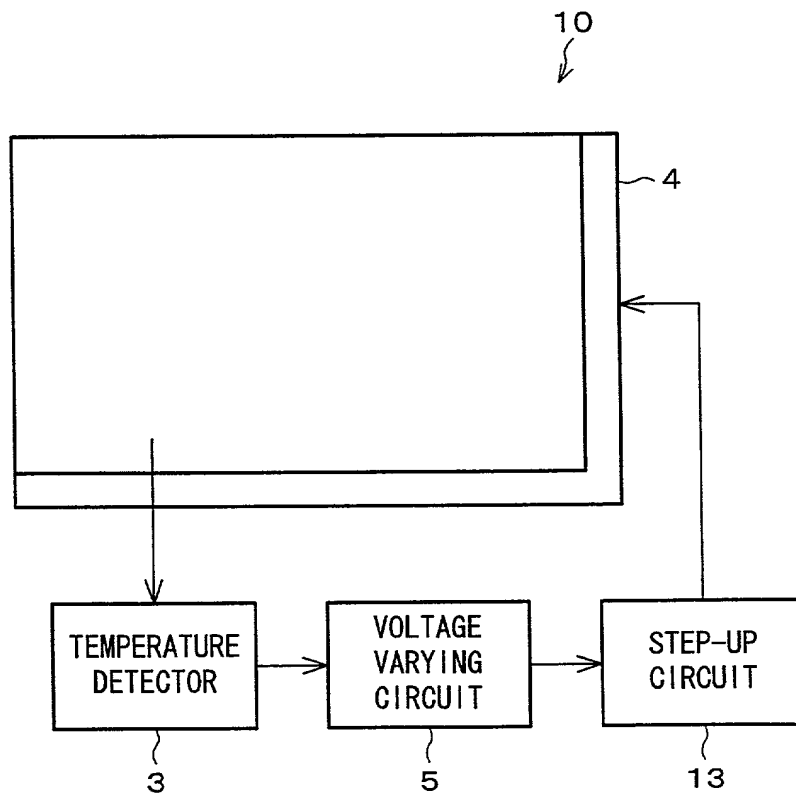


FIG. 59

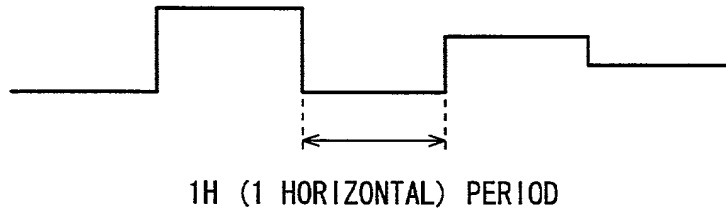


FIG. 60

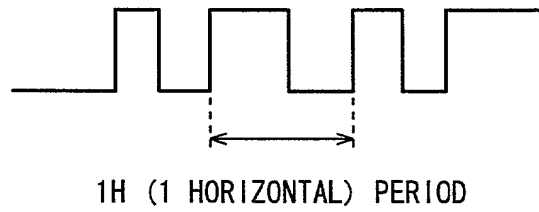


FIG. 61

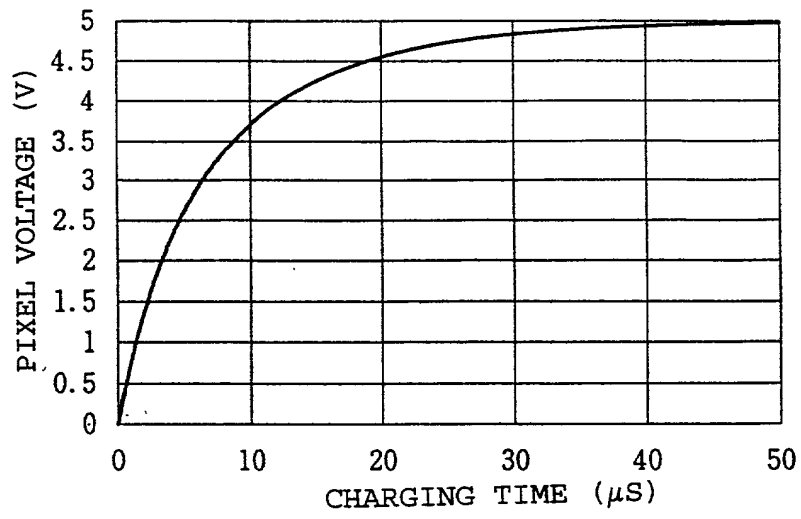


FIG. 62

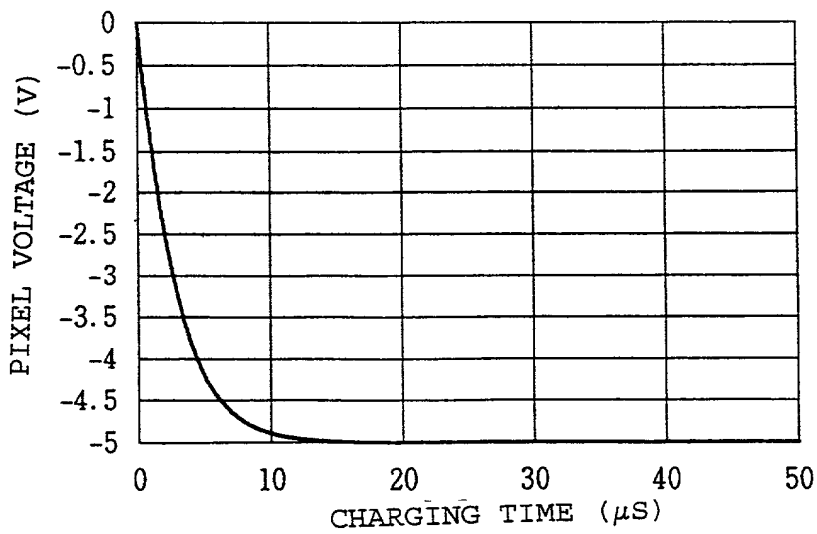


FIG. 63

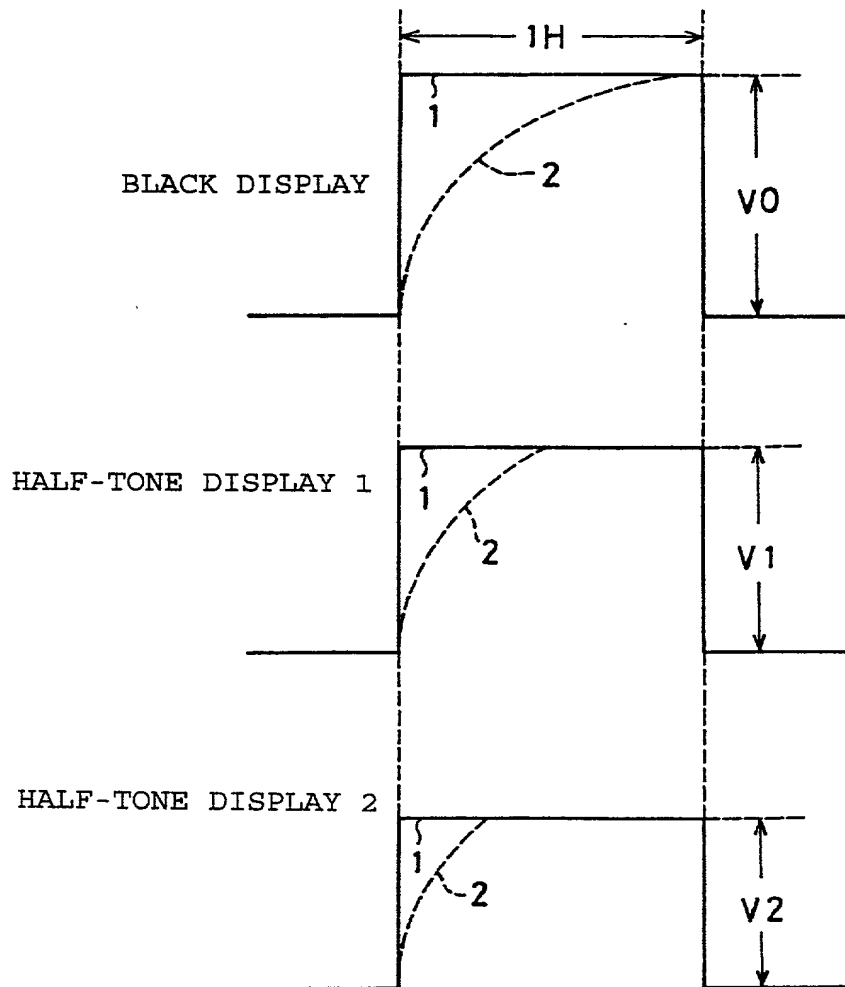


FIG. 64

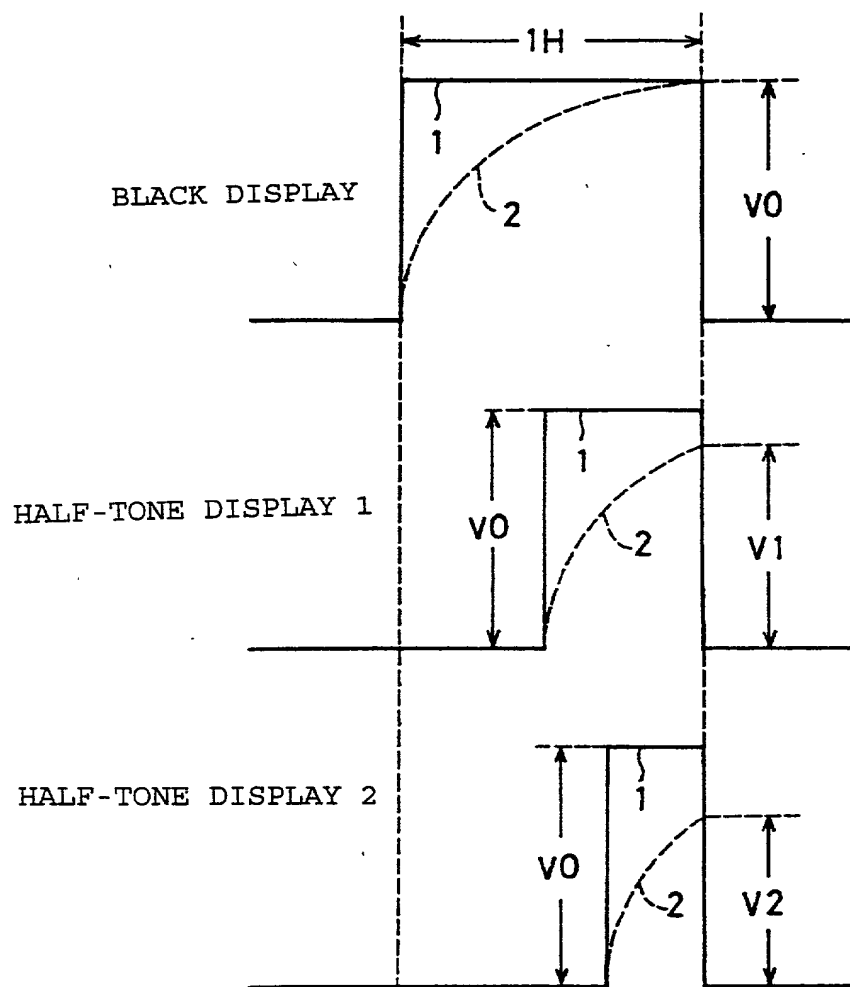


FIG. 65

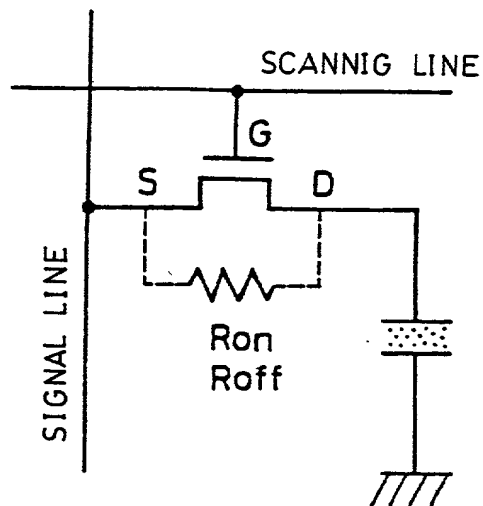


FIG. 66

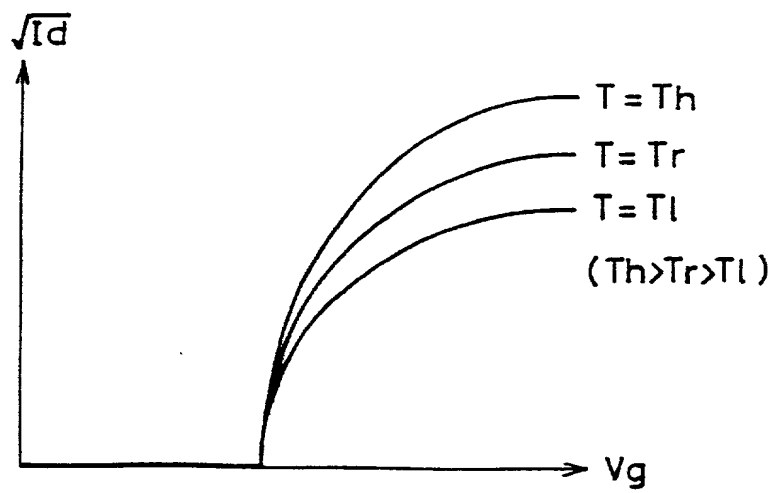


FIG. 67(a)

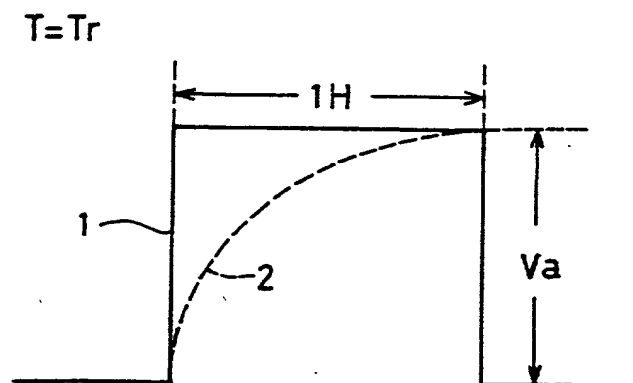


FIG. 67(b)

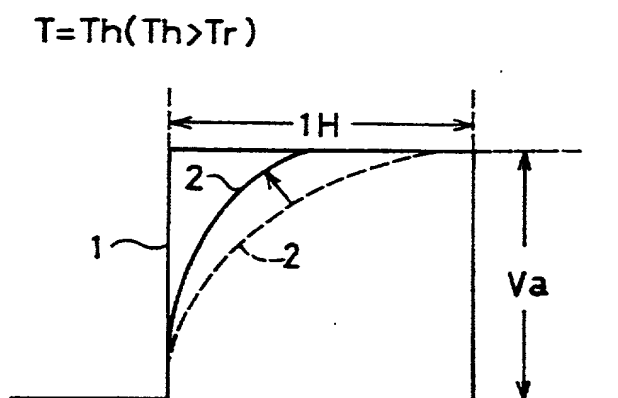


FIG. 68(a)

$$T = T_r$$

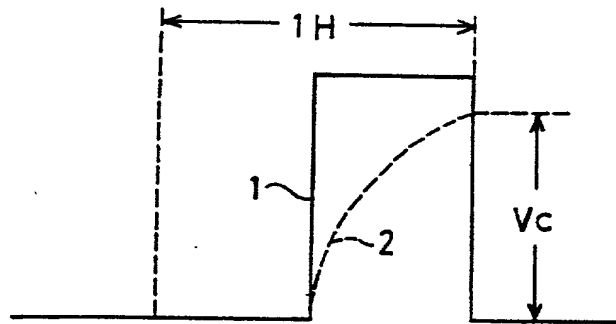


FIG. 68(b)

$$T = T_h (T_h > T_r)$$

